

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd

OM protein - protein search, using sw model

Run on: September 29, 2003, 08:56:49 ; Search time 0.001 seconds  
(without alignments)  
150.072 Million cell updates/

**Title:** us-09-081-737-12

Perfect score: 1620  
Sequence: 1 MVGLKPSDVPPPTMAVKFLGA.....TYEQLKRALMKVQMLRESPE 312

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 3 seqs, 481 residues

Total number of hits satisfying ch

```
Minimum DB seq length: 0
Maximum DB seq length: 3000000000
```

Best-ennekes: Minimum Match 28

Maximum Match 100%

[illegible]

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	1620	100.0	312	1	US-09-112-565-2		Sequence 2, Appl
2	485	29.9	95	1	US-09-112-565-6		Sequence 6, Appl
3	371	22.9	74	1	US-09-112-565-4		Sequence 4, Appl

## ALIGNMENTS

```

US-09-142-365-2
RESULT 1
Sequence 2, Application US/09142365A
Patent No. 6187560
INVENTOR: JAMES W. BOWEN, JR.
APPLICANT: Lee James Beasley
APPLICANT: Kelly Paine
APPLICANT: Robert James
TITLE REFERENCE: NOVEL COMPOUNDS
FILE REFERENCE: NOVEL COMPOUNDS
CURRENT FILING DATE: 1939-06-30
CURRENT APPLICATION NUMBER: US/09/142,365A
EARLIER FILING DATE: 1939-06-30
EARLIER APPLICATION NUMBER: 9704551.2
EARLIER FILING DATE: 1939-06-30
EARLIER APPLICATION NUMBER: 9705614.7
EARLIER FILING DATE: 1937-03-18
EARLIER APPLICATION NUMBER: 97305305.1
EARLIER FILING DATE: 1937-07-16
INVENTOR: JAMES W. BOWEN, JR.
SOFTWARE: PARASOL FOR Windows Version 3.0
SEQ ID NO 2
LENGTH: 312
TYPE: PRT
INSTRUMENT: HOMO SAPIEN
US-09-142-365-2

```

## RESULT 3

Query Match	100.0%	Score 1520:	DB 1:	Length 312:
Local Similarity	100.0%	Pred. No. 0:		
Matches 312:	Conservative	Mismatches	Indels	Gaps
1	MYGLSVDPPTTHAVKFLGAGTACAGADUVEPLDTAKVPLQIGERNAVTAHLVQFG	40		
2	1	MYGLSVDPPTTHAVKFLGAGTACAGADUVEPLDTAKVPLQIGERNAVTAHLVQFG	40	
3	1	MYGLSVDPPTTHAVKFLGAGTACAGADUVEPLDTAKVPLQIGERNAVTAHLVQFG	40	
4	61	VLGITILMTVRTEGSGSPYGLVAGLQRMFASIRIGIVDSVQVVTYKGANSSUTTRI	120	
5	1	VLGITILMTVRTEGSGSPYGLVAGLQRMFASIRIGIVDSVQVVTYKGANSSUTTRI	120	
6	61	VLTGILMTVRTEGSGPYGLVAGLQRMFASIRIGIVDSVQVVTYKGANSSUTTRI	120	
7	1	VLTGILMTVRTEGSGPYGLVAGLQRMFASIRIGIVDSVQVVTYKGANSSUTTRI	120	
8	121	LACGTTGAMATVCAQITDVKVRFQASVHLGSPRSQSKYSGTNCAYRTTARCEGVRLGW	180	
9	1	LACGTTGAMATVCAQITDVKVRFQASVHLGSPRSQSKYSGTNCAYRTTARCEGVRLGW	180	
10	1	LACGTTGAMATVCAQITDVKVRFQASVHLGSPRSQSKYSGTNCAYRTTARCEGVRLGW	180	
11	181	GTLPNIIMRNATVNCAGVYTTDLEKLKLLHLLTNDFPCHVFGACGATCATVWSPDY	240	
12	1	GTLPNIIMRNATVNCAGVYTTDLEKLKLLHLLTNDFPCHVFGACGATCATVWSPDY	240	
13	181	GTLPNIIMRNATVNCAGVYTTDLEKLKLLHLLTNDFPCHVFGACGATCATVWSPDY	240	
14	1	GTLPNIIMRNATVNCAGVYTTDLEKLKLLHLLTNDFPCHVFGACGATCATVWSPDY	240	
15	241	VKTRTMSPPQGVFSLDKMKVAGQGPATFYKGTPTSLGLGSNNVVFVTEQLKRA	300	
16	1	VKTRTMSPPQGVFSLDKMKVAGQGPATFYKGTPTSLGLGSNNVVFVTEQLKRA	300	
17	241	VKTRTMSPPQGVFSLDKMKVAGQGPATFYKGTPTSLGLGSNNVVFVTEQLKRA	300	
18	1	VKTRTMSPPQGVFSLDKMKVAGQGPATFYKGTPTSLGLGSNNVVFVTEQLKRA	300	
19	301	LKKVQMLRESPP	312	
20	1	LKKVQMLRESPP	312	
21	301	LKKVQMLRESPP	312	
22	1	LKKVQMLRESPP	312	

US-09-142-565-6  
SEQUENCE 6, APPLICATION US/09142565A  
PATENT NO. 6187560  
GENERAL INFORMATION:  
APPLICANT: Lee James Beely  
INVENTOR: Lee James Beely  
APPLICANT: Robert James  
TITLE OF INVENTION: NOVEL COMPOUNDS  
FILE REFERENCE: GH-30002  
CURRENT APPLICATION NUMBER: US/09/142,565A  
CURRENT FILING DATE: 1999-06-30  
EARLIER APPLICATION NUMBER: US/97-03-18  
EARLIER FILING DATE: 1997-03-05  
EARLIER APPLICATION NUMBER: 9705614, 7  
EARLIER FILING DATE: 1997-03-18  
EARLIER APPLICATION NUMBER: 97105105-1  
EARLIER FILING DATE: 1997-07-16  
NUMBER OF SEQ ID NOS: 8  
SEQ ID NO. 1: HASTEDS LOT Windows Version 3.0  
SEQ ID NO. 5  
LENGTH: 95  
TYPE: PRT  
ORGANISM: HOMO SAPIEN  
FEATURE:  
NAME:KEY: unsure  
LOCUS: 97-09-142-565-6 (3,115) (88)

Query Match	29-94:	Score	485:	Un 1:	Length	65:
Percent Similarity	91:	Mismatches	4:	Indels	0:	Gaps
Local Similarity	91:	Conservative	0:			
181	GT LNNRNATVNCVCEVYTDILKEKLLDYHLJLTFNDFCFYSAAGACATCATVWASPDV 240					
182						
183						
184						
185						
186						
187						
188						
189						
190						
191						
192						
193						
194						
195						
196						
197						
198						
199						
200						
201						
202						
203						
204						
205						
206						
207						
208						
209						
210						
211						
212						
213						
214						
215						
216						
217						
218						
219						
220						
221						
222						
223						
224						
225						
226						
227						
228						
229						
230						
231						
232						
233						
234						
235						
236						
237						
238						
239						
240						
241						
242						
243						
244						
245						
246						
247						
248						
249						
250						
251						
252						
253						
254						
255						
256						
257						
258						
259					</	



Query Match 8.5% Score 199.4; DB 1; Length 222;  
Best Local Similarity 94.9%; Pred. No. 0;  
Matches 206; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 965 CTGGACTATCAGCTCTGCTGACAGACTTCCCTGCCACTTTGCTCTGCTTTGGAGCC 1024  
DB 1 CTGGACTATCAGCTCTGCTGACAGACTTCCCTGCCACTTTGCTCTGCTTTGGAGCC 60  
QY 1025 GCCTTCTGTGCCACAGTGTGGCTCCCGGTGGAGCGGTATATGAAC 1084  
DB 61 GCCTTCTGTGCCACAGTGTGGCTCCCGGTGGAGCGGTATATGAAC 120  
QY 1085 TCAGCTCGAGCGAGTACTTCAGCGCTCCCGGTGGAGCGGTATATGAAC 1144  
DB 121 TCAGCTCGAGCGAGTACTTCAGCGCTCCCGGTGGAGCGGTATATGAAC 180  
QY 1145 GCGCCACAGCGCTTCTACAGGGATTACACCTCT 1181  
DB 181 GCGCCACAGCGCTTCTACAGGGATTACACCTCTCTCT 217

Search completed: September 29, 2003, 08:53:52  
Job time : 2 secs

```
US-09-142-565-4
: Sequence 4, Application US/09142565A
: Patent No. 6187560
: GENERAL INFORMATION:
: APPLICANT: Lee James Beeley
: APPLICANT: Kelly Paine
: APPLICANT: Robert J. Adams
: TITLE OF INVENTION: NOVEL COMPOUNDS
: FILE REFERENCE: GH-30002
: CURRENT APPLICATION NUMBER: US/09/142,565A
: CURRENT FILING DATE: 1999-06-30
: EARLIER APPLICATION NUMBER: 9704551.2
: EARLIER FILING DATE: 1997-03-18
: EARLIER APPLICATION NUMBER: 9705614.7
: EARLIER FILING DATE: 1997-03-18
: EARLIER APPLICATION NUMBER: 97305305.1
: EARLIER FILING DATE: 1997-07-16
: NUMBER OF SEQ ID NOS: 6
: SYNOPSIS: FastSeq for Windows Version 3.0
: SEQ ID NO. 1
: LENGTH: 74
: TYPE: PRT
: ORGANISM: HOMO SAPIEN
: FEATURE:
: NAME/KEY: unsure
: ORGANISM: (65)
US-09-142-565-4

Query Match      22.94: Score 371: DB 1: Length 74:
Best Local Similarity 93.24: Pred. No. 0:
Matches 69: Conservative 0: Mismatches 5: Indels 0: Gaps 0:

Oy 208 LDYHLTDNFEPCFVVSAGACATVVASPDVVKTVKNSPPGQVSPGCKMKVAOE 267
    |||||
Db 1 LDYHLTDNFEPCFVVSAGACATVVASPDVVKTVKNSPPGQVSPGCKMKVAOE 60
    |||||

Oy 268 GPTATKGTPTPSFL 281
    |||||
Db 61 GQATKGAASSCL 74

Search completed: September 29, 2003, 08:56:49
Job time : 0.001 secs
```